

Fig. 1

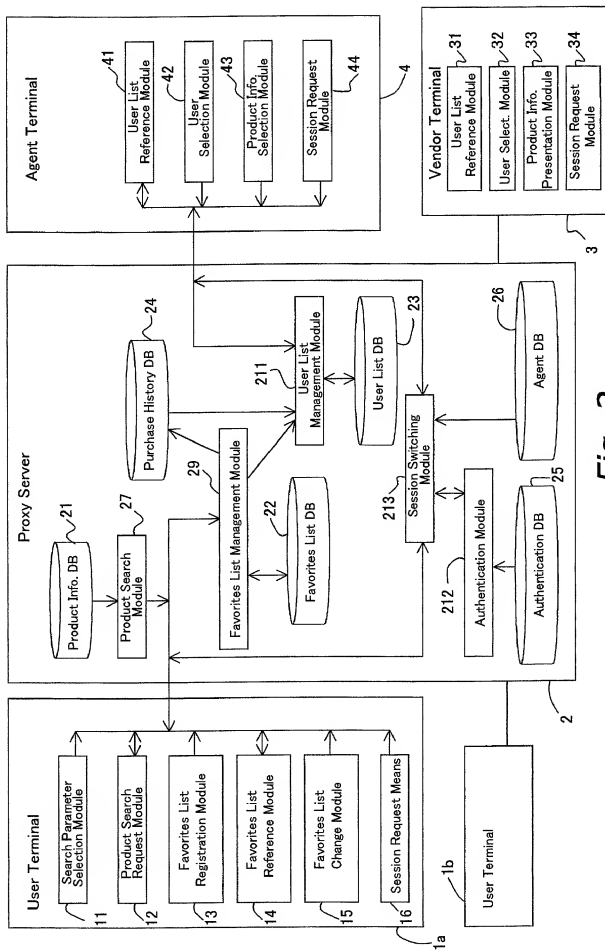


Fig. 2

Region Master Table

Region	Region ID
Hokkaidou	1
Touhoku	2
Kanto/Koshinetsu	3
Chubu	4
Kinki	5

Recommendation Info. Master Table

Search Parameter ID	Search Parameter Items
1	Food
2	Facilities
3	View
4	Service
5	Outdoor Hot Spring Included
6	Room Service Available

Inventory Control Table

Vendor ID (Product ID)	Date	Number of Empty Rooms
vendor-B	2001-04-01	13
vendor-B	2001-04-02	10
vendor-B	2001-04-03	6
vendor-F	2001-04-01	3
vendor-F	2001-04-02	5
:	:	:

Fig. 3A

Fig. 3B

Fig. 3C

Product Information Table

Vendor ID (Product ID)	Hotel Name	Region ID	Address	Recommendation Info.	Hotel Introduction	Detailed URL
vendor-B	B Hotel	5	Arima, Hyogo Prefecture	1, 5	Kansai's Guest Room	Http://www.hotelB.com
vendor-F	F Hotel	5	Hikone, Shiga Prefecture	2, 3, 6	Lakefront Inn in Hikone, a Castle and Port Town	Http://www.hotelF.com
:	:	:	:	:	:	:

Fig. 3D

Search Parameter Table

User ID	Search Parameter ID	Parameter Data
0001u	1	April 20, 2001, 3 Nights
0001u	2	2 Persons
0001u	3	Kinki Region
0001u	4	NULL
0002u	:	:
0003u	:	:

Fig. 4A

Search Parameter Master Table

Search Parameter ID	Search Parameters
1	Check-In Date Selected
2	Number of Adults
3	Region
4	Bath and Toilet Included
5	Outdoor Hot Spring Included
6	Room Service Available
7	Food
8	View

Fig. 4B

Favorites List Table

User ID (Product ID)	Vendor ID	Date of Registration	Date Updated	Product Name	Detailed URL	Display Info.	Public Flag
0001u	vendor-B	2001-02-01	2001-02-01	Hotel B	Http://www.hotelB.com	There are few rooms remaining. Please make a reservation as soon as possible. (Expiration date 3/1/2001).	T
0001u	vendor-F	2001-03-02	2001-03-02	Hotel F	Http://www.hotelF.com	Please input the check-in date and the number of adults. Free plan quote provided. (Expiration date 4/20/2001).	T
0002u	vendor-A	2001-04-22	2001-04-22	Hotel F	Http://www.hotelF.com	Room with an excellent view one night (2 meals included) will be ¥14,000	T
0003u	vendor-C	2001-03-31	2001-04-15	Hotel C	Http://www.hotelC.com		F

Fig. 4C

Search Parameter Table

User ID	Search Parameter ID	Parameter Data
0001u	1	April 20, 2001, 3 Nights
0001u	2	2 Persons
0001u	3	Kinki Region
:	:	:
0002u	:	:
0003u	:	:

Fig. 5A

User List Table

Vendor ID (Product ID)	User ID	Date of Registration	Date Updated	Display Info.	Number of Times Used	Reservation Number
vendor-B	0001u	February 1, 2001	February 1, 2001	There are few rooms remaining. Please make a reservation as soon as possible. (Expiration date 3/1/2001).	0	NULL
	0076u	March 9, 2001	March 9, 2001		1	NULL
	0108u	:	:		3	RN-2001-012-183720
vendor-F	:	:	:	:	:	:

Fig. 5B

Reservation Number (Payment ID)	Vendor ID	Date and Time Issued	Reservation Details	User ID Issued to
RN-2001-012-183720	vendor-B	February 14, 2001, 3:30	2001/4/20-22 Two Adults	0001u
RN-2001-013-90820	vendor-A	March 11, 2001, 1:15	2001/05/15-16 Two Adults	0001u
:	:	:	:	:

Fig. 6

User Table

User ID	Password
0001u	****
0002u	*****
⋮	⋮

Fig. 7A

Vendor Table

Vendor ID	Password
vendor-A	***
vendor-B	*****
⋮	⋮

Fig. 7B

Agent Table

Agent ID	Password
CS-001	****
CS-002	*****
⋮	⋮

Fig. 7C

Vendor ID	Agent ID	Agent Parameters	Agent Mode
vendor-B	CS-002	2300 – 800	NULL
vendor-C	CS-001	NULL	ALWAYS
vendor-D	CS-059	vendor=OFFLINE	NULL

Fig. 8

Fig. 9

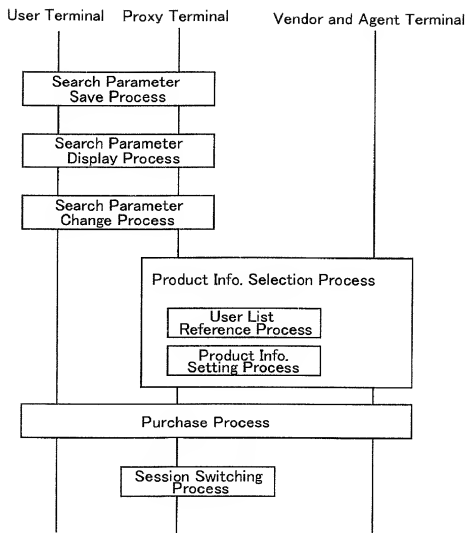


Fig. 9

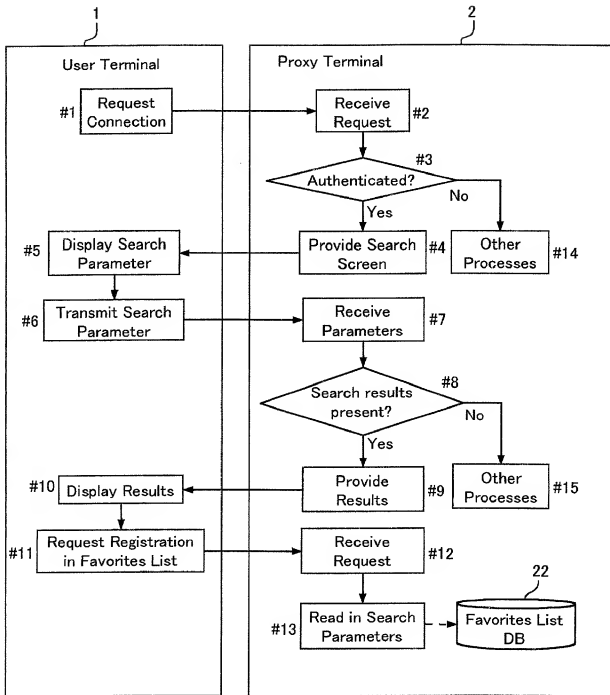


Fig. 10

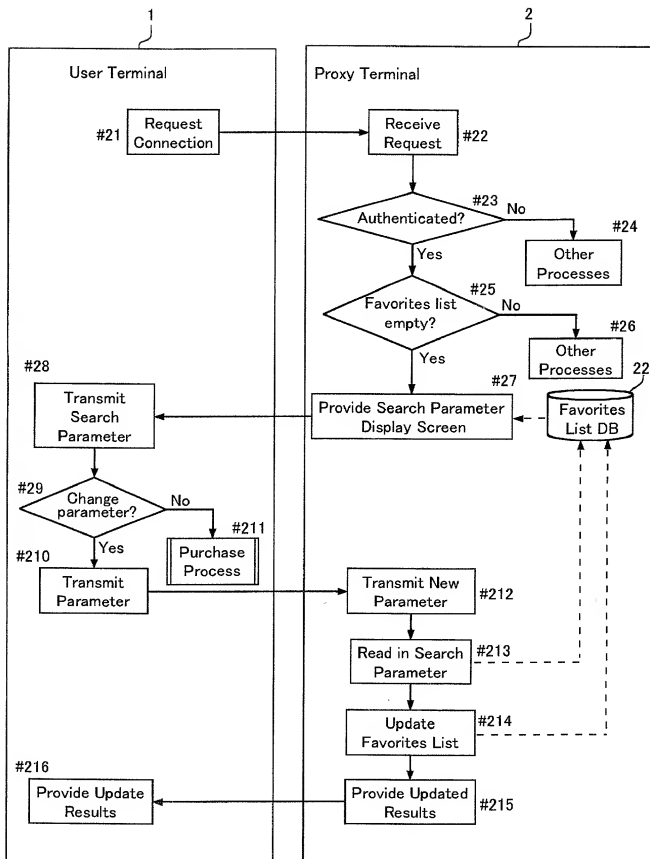


Fig. 11

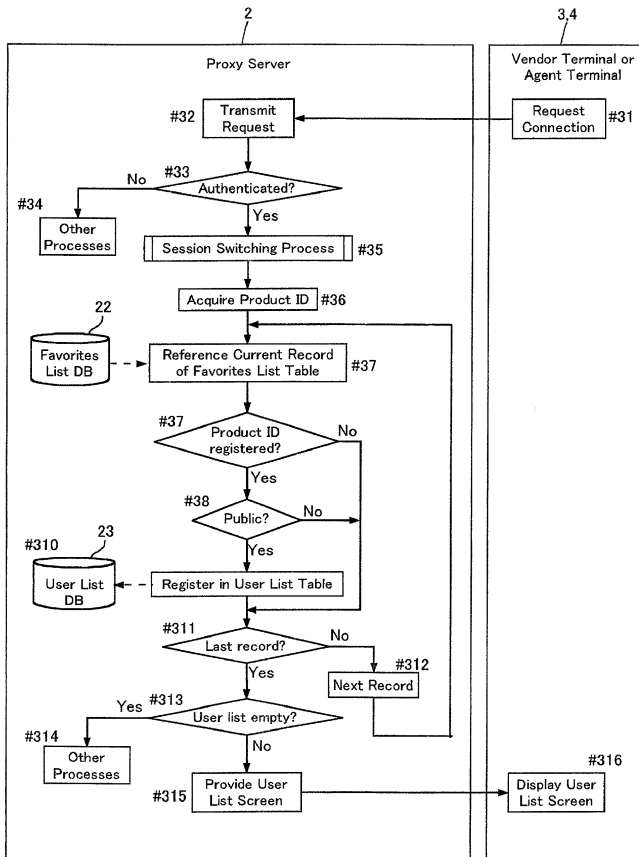


Fig. 12

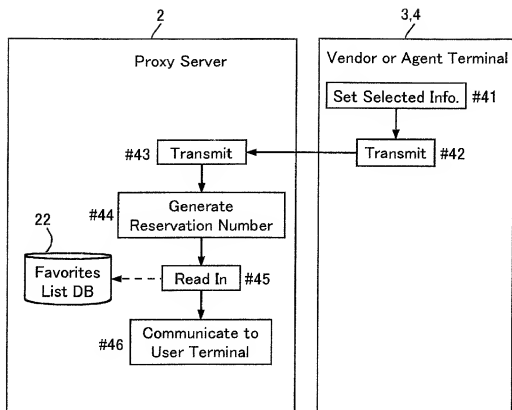


Fig. 13

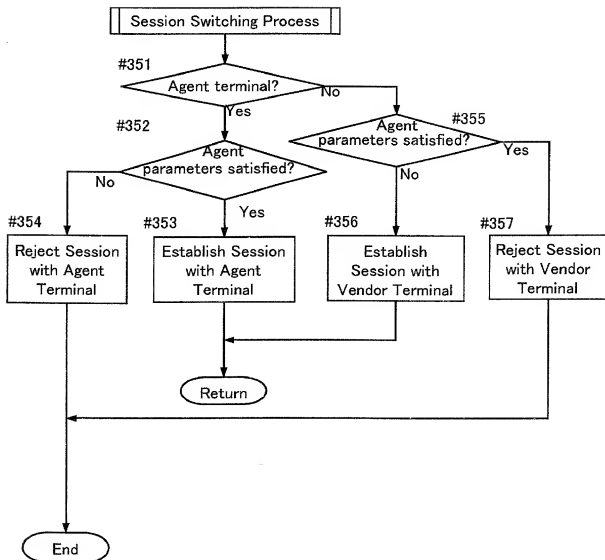


Fig. 14

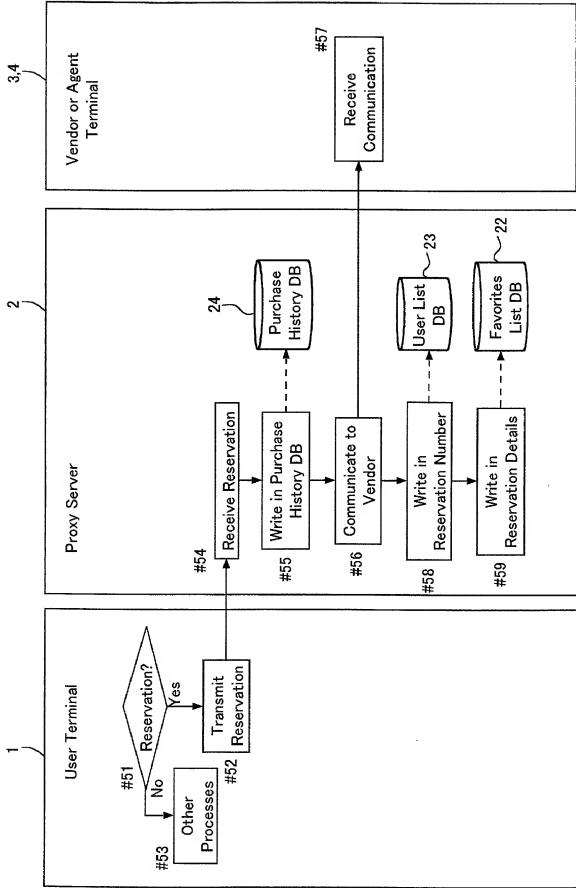


Fig. 15

Hotel/Inn Search Web Page

Check-In Date and Number of Nights Year Month Date Number of Nigts

Region

Adults Children

Criteria that I want to give priority to (more than one selection possible)

☐ Bath and Toilet Included

☒ Outdoor Hot Spring Included

☒ Room Service Available

☐ Meal

☐ View

Fig. 16

Hotel/Inn Search Results (17 Found)

Check-In Date and Number of Nights:
April 20, 2001 3 Nights

Region:
Kinai Region

Adults: 2

Outdoor
Hot Spring Included

Room Service Available

<input type="checkbox"/>	Image of A Hotel	A Hotel	Hotel Introduction	Detailed URL
<input checked="" type="checkbox"/>	Image of B Hotel	B Hotel	Hotel Introduction	Detailed URL
<input type="checkbox"/>	Image of C Hotel	C Hotel	Hotel Introduction	Detailed URL
<input type="checkbox"/>	Image of D Hotel	D Hotel	Hotel Introduction	Detailed URL

[Record in Favorites List](#)

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Fig. 17

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List of Mr. ABC0123's Favorite Hotels/Inns

	182	183	186	184	185
B Hotel Image 1	Hotel Name	Check-In Date and Number of Nights: April 20, 2001, 3 Days Region: Kind Region Adults: 2	Bath and Toilet Included <input checked="" type="checkbox"/> Outdoor Hot Spring Included <input checked="" type="checkbox"/> Room Service Available <input checked="" type="checkbox"/> Meal <input checked="" type="checkbox"/> View	<input type="button" value="Reservation"/> <input type="button" value="Change Parameters"/> <input type="button" value="Delete"/>	
Registered February 1, 2001	Fee: #### yen	There are few rooms remaining. Please make a reservation as soon as possible. (Expiration date 3/1/2001)			
F Hotel Image 2	Hotel Name	Check-In Date and Number of Nights: May , 2001, Days Region: Kanto Region Adults:	Bath and Toilet Included <input checked="" type="checkbox"/> Outdoor Hot Spring Included <input checked="" type="checkbox"/> Room Service Available <input checked="" type="checkbox"/> Meal <input checked="" type="checkbox"/> View	<input type="button" value="Reservation"/> <input type="button" value="Change Parameters"/> <input type="button" value="Delete"/>	
Registered March 2, 2001	Fee: #### yen	Please input the check-in date and the number of adults. Free plan quote provided. (Expiration date 4/20/2001).			

Fig. 18

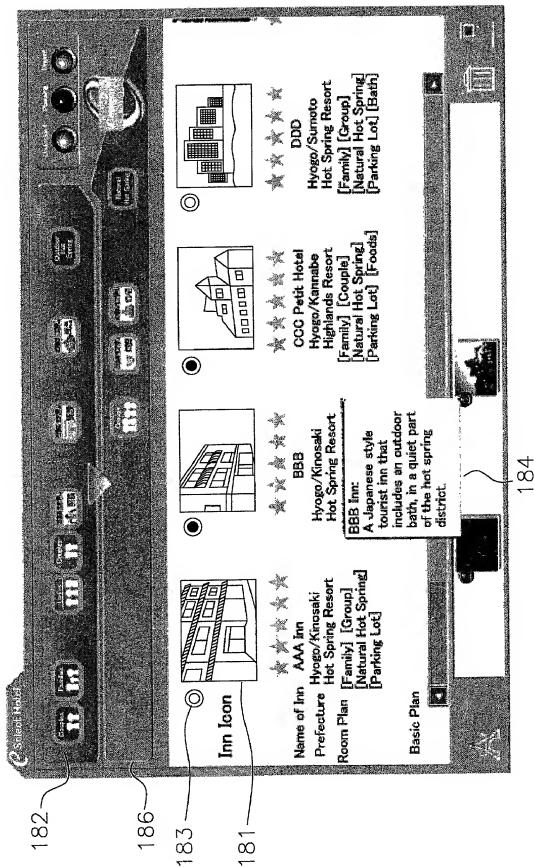


Fig. 19

List of users that have registered B Hotel

Order by Degree of Priority	Number of times user has stayed	User ID	Date Registered in Favorites List	Search Parameters	Competitor Hotel
Order by Number of Persons	0	0001u	February 1, 2001	Check-In Date and Number of Nights: April 20 3 Nights Region: Kinki Region Adults: 2	Bath and Toilet Included <input checked="" type="checkbox"/> Outdoor Hot Spring Included F Hotel <input checked="" type="checkbox"/> Room Service Available Meal View
Order by Number of Days	1	0002u	March 11, 2001	Check-In Date and Number of Nights: May 2 2 Nights Region: Kinki Region Adults: 2	Bath and Toilet Included <input checked="" type="checkbox"/> Outdoor Hot Spring Included <input checked="" type="checkbox"/> Room Service Available Meal View
Order by Number of Times of Use	3	0108u	Reservation Completed Reservation Number: RN-2001-012-183720	<input type="button" value="Show Reservation Details"/> <input type="button" value="Show Desired Parameters"/>	

User ID Selected
 0001u

Message Transmission Input Box
 Set Expiration Date

Change Fee
 Send Notice

Fig. 20

Region Master Table

Region	Region ID
Hokkaido	1
Touhoku	2
Kanto	3
Chubu	4
Kinki	5
...	...

Fig. 21A

Inventory Control Master Table

Vendor ID	Product ID
vendor - A	house0001
	house0002
	...
	office0001
	office0002
	...
vendor - B	house0001
...	house0002
	...

Fig. 21B

Recommendation Info. Master Table

Search Parameter ID	Search Parameter
1	Convenient Commute
2	View
3	Quiet
4	School District
5	Sunlight
6	Renovation Completed
...	...

Fig. 21C

Product Information Table

Vendor ID	Product ID	Region ID	Recommendation Info.	Product Introduction	Detailed URL
vendor - A	house0001	5	1,6	One Minute on Foot from Train Station	http://www.house0001.com
	house0002	5	2,3,4,5	Quiet Residential Area	http://www.house0002.com
...

Fig. 21D